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Sheet 1 of 6

FORM PTO-1449

ATTY. DOCKET NO.  
24736-2060

SERIAL NO.  
09/139,386

CONFIRM NO.  
5243

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

APPLICANT  
Monforte *et al.*

CUSTOMER NO.  
24961

FILING DATE  
August 25, 1998

GROUP

1656

1637

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
J.T	A	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
J.T	B	4	6	8	3	2	0	2	07/28/87	Mullis	435	91	10/25/85
J.T	C	4	8	1	8	6	8	1	04/04/89	Dattagupta	435	6	02/22/85

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

J.T	D	Agrawal and Goodchild, "Oligoeoxynucleoside Methylphosphonates: Synthesis and Enzymic Degradation", <u>Tetrahedron Lett.</u> , <u>28</u> :3539-3542 (1987)
	E	Ausubel <i>et al.</i> , "Synthesis and Purification of Oligonucleotides: Synthesis of Oligonucleotides", <u>Current Protocols Molecular Biology</u> , John Wiley and Sons, Inc., Media, PA, Section 2.11.1-2.11.8, Supplements 9 and 8, (1989)
	F	Bannwarth <i>et al.</i> , "Laboratory Methods: A System for the Simultaneous Chemical Synthesis of Different DNA Fragments on Solid Support", <u>DNA</u> , <u>5(5)</u> :413-419 (1986)
	G	Bannwarth, "Gene Technology: a Challenge for a Chemist", <u>Chimia</u> , <u>41(9)</u> :302-313 (1987)
	H	Bannwarth, "Solid-Phase Synthesis of Oligodeoxynucleotides Containing Phosphoramidate Internucleotide Linkages and their Specific Chemical Cleavage", <u>Helvetica Chimica Acta</u> , <u>71</u> :1517-1527 (1988)
J.T	I	Bischoff <i>et al.</i> , "Introduction of 5'-Terminal Functional Groups into Synthetic Oligonucleotides for Selective Immobilization", <u>Analytical Biochemistry</u> , <u>164</u> :336-344 (1987)

EXAMINER

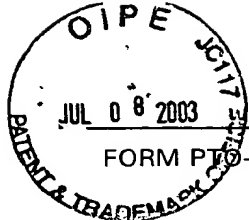
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JT	J	Collins <i>et al.</i> , "Altered Transcription of the <i>c-abl</i> Oncogene in K-562 and Other Chronic Myelogenous Leukemia Cells", <u>Science</u> , <u>225</u> :72-74 (1984)
	K	Cormier <i>et al.</i> , "Synthesis of hexanucleotide analogues containing diisopropylsilyl internucleotide linkages", <u>Nucl. Acids Res.</u> , <u>16</u> :4583-4594 (1988)
	L	Corey and Snider, "A Total Synthesis of ( $\pm$ )-Fumagillin", <u>J. Am. Chem. Soc.</u> , <u>94</u> :2549-2550 (1972)
	M	Cosstick <i>et al.</i> , "Synthesis and Phosphorus-Sulphur Bond Cleavage of 3'-Thiothymidyl(3'-5')thymidine", <u>J. Chem. Soc., Chem. Comm.</u> , 992-993 (1988)
	N	Cosstick <i>et al.</i> , "Solid Phase Synthesis of Oligonucleotides Containing 3'-Thiothymidine", <u>Tetrahedron Lett.</u> , <u>30(35)</u> :4693-4696 (1989)
	O	Daley <i>et al.</i> , "Transformation of an interleukin 3-dependent hematopoietic cell line by the chronic myelogenous leukemia-specific P210 <sup>ber/abl</sup> protein", <u>Proc. Natl. Acad. Sci USA</u> , <u>85</u> :9312-9316 (1988)
	P	Fodor <i>et al.</i> , "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <u>Science</u> , <u>251</u> :767-773 (1991)
	Q	Gale <i>et al.</i> , "An 8-kilobase <i>abl</i> RNA transcript in chronic myelogenous leukemia", <u>Proc. Natl. Acad. Sci. USA</u> , <u>81</u> :5648-5652 (1984)
	R	Ghosh <i>et al.</i> , "Covalent attachment of oligonucleotides to solid supports", <u>Nucl. Acids Res.</u> , <u>15(13)</u> :5353-5372 (1987)
	S	Gingeras <i>et al.</i> , "Hybridization properties of immobilized nucleic acids", <u>Nucl. Acids Res.</u> , <u>15(13)</u> :5373-5390 (1987)
	T	Glazer <i>et al.</i> , "Stable dye-DNA intercalation complexes as reagents for high-sensitivity fluorescence detection", <u>Nature</u> , <u>359</u> :859-861 (1992)
	U	Goldkorn <i>et al.</i> , "A simple and efficient enzymatic method for covalent attachment of DNA to cellulose. Application for hybridization-restriction analysis and for <i>in vitro</i> synthesis of DNA probes", <u>Nucl. Acids Res.</u> , <u>14(22)</u> :9171-9191 (1986)
JT	V	Green, M., "AVIDIN", <u>Advances in Protein Chemistry</u> , (Avidin, Ed.) Academic Press, New York, NY, pp. 85-133 (1975)

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J.T	W	Gromova <i>et al.</i> , "DNA Duplexes wit Phosphoamide Bonds: The Interaction with <i>EcoRII</i> and <i>SsoII</i> Restriction Endonucleases," <i>Bioorg. Khim.</i> , <u>13(2)</u> :269-272 (1987) [Article in Russian, English abstract on last page of article]
	X	Gyllensten, "PCR and DNA Sequencing", <i>BioTechniques</i> , <u>7(7)</u> :700-708 (1989)
	Y	Hata <i>et al.</i> , "A New Method for the Synthesis of 5'-Amino-Nucleosides and Their Phosphoramidate Derivatives", <i>Chem. Lett.</i> , 601-604 (1976)
	Z	Hegner <i>et al.</i> , "Immobilizing DNA on gold via thiol modification for atomic force microscopy imaging in buffer solutions", <i>FEBS Letters</i> , <u>336(3)</u> :452-456 (1993)
	AA	Hegner <i>et al.</i> , "Ultralarge atomically flat template-stripped Au surfaces for scanning probe microscopy", <i>Surface Sci.</i> , <u>291</u> :39-46 (1993)
	AB	Hillenkamp, "Laser Desorption Mass Spectrometry: Mechanisms, Techniques and Applications", <i>Adv. Mass Spectrometry</i> , <u>11A</u> :354-362 (1988)
	AC	Hobbs, "Nucleotides and Nucleic Acids", <i>Organophosphorous Chem.</i> , <u>21</u> :201-321 (1990)
	AD	Khrapko <i>et al.</i> , "A method for DNA sequencing by hybridization with oligonucleotide matrix", <i>DNA Sequence</i> , <u>1</u> :375-388 (1991)
	AE	Koole <i>et al.</i> , "A novel synthetic approach to phosphate-methylated DNA oligomers using 9-fluorenylmethoxycarbonyl (Fmoc) as temporary base amino protecting group", <i>Proc. K. Ned. Akad. Wet.</i> , <u>B 91(2)</u> :205-209 (1988)
	AF	Kremsky <i>et al.</i> , "Immobilization of DNA via oligonucleotides containing an aldehyde or carboxylic acid group at the 5' terminus", <i>Nucl. Acids Res.</i> , <u>15(7)</u> :2891-2909 (1987)
	AG	Kusukawa <i>et al.</i> , "Rapid and Reliable Protocol for Direct Sequencing of Material Amplified by the Polymerase Chain Reaction", <i>BioTechniques</i> , <u>9(1)</u> :66-72 (1990)
	AH	Longo <i>et al.</i> , "Use of uracil DNA glycosylase to control carry-over contamination in polymerase chain reactions", <i>Gene</i> , <u>93</u> :125-128 (1990)
J.T	AI	Mag <i>et al.</i> , "Synthesis and selective cleavage of an oligodeoxynucleotide containing a bridged internucleotide 5'-phosphorothioate linkage", <i>Nucl. Acids Res.</i> , <u>19(7)</u> :1437-1441 (1991)

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J.T	AJ	Maskos <i>et al.</i> , "Oligonucleotide hybridisations on glass supports: a novel linker for oligonucleotide synthesis and hybridisation properties of oligonucleotides synthesised <i>in situ</i> ", <u>Nucl. Acids Res.</u> , <u>20(7)</u> :1679-1684 (1992)
	AK	McBride <i>et al.</i> , "An Investigation of Several Deoxynucleoside Phosphoramidites Useful for Synthesizing Deoxyoligonucleotides", <u>Tetrahedron Lett.</u> , <u>24(3)</u> :245-248 (1983)
	AL	Miller <i>et al.</i> , "Syntheses and Properties of Adenine and Thymine Nucleoside Alkyl Phosphotriesters, the Neutral Analogs of Dinucleoside Monophosphates", <u>J. Am. Chem. Soc.</u> , <u>93</u> :6657-6665 (1971)
	AM	Moody <i>et al.</i> , "Regiospecific inhibition of DNA duplication by antisense phosphate-methylated oligodeoxynucleotides", <u>Nucl. Acids Res.</u> , <u>17(12)</u> :4769-4782 (1989)
	AN	Nadjii <i>et al.</i> , "Photochemically and Photoenzymatically Cleavable DNA", <u>J. Am. Chem. Soc.</u> , <u>114</u> :9266-9269 (1992)
	AO	Nakamaye <i>et al.</i> , "Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside $\alpha$ -thiotriphosphates", <u>Nucl. Acids Res.</u> , <u>16(21)</u> :9947-9959 (1988)
	AP	Nelson <i>et al.</i> , "Volatilization of High Molecular Weight DNA by Pulsed Laser Ablation of Frozen Aqueous Solutions", <u>Science</u> , <u>246</u> :1585-1587 (1989)
	AQ	Ogilvie <i>et al.</i> , "Synthesis of a Thymidine Dinucleotide Analogue Containing an Internucleotide Silyl Linkage", <u>Tetrahedron Lett.</u> , <u>26(35)</u> :4159-4162 (1985)
	AR	Olsen <i>et al.</i> , "Direct Sequencing of Polymerase Chain Reaction Products", <u>Methods Enzymol.</u> , <u>218</u> :79-92 (1993)
	AS	Olsen <i>et al.</i> , "The Ribosomal Database Project", <u>Nucl. Acids Res.</u> , <u>20</u> :2199-2200 (1992)
	AT	Saha <i>et al.</i> , "Diisopropylsilyl-Linked Oligonucleotide Analogs: Solid-Phase Synthesis and Physicochemical Properties", <u>J. Org. Chem.</u> , <u>58</u> :7827-7831 (1975)
✓	AU	Saiki <i>et al.</i> , "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes", <u>Proc. Natl. Acad. Sci. USA</u> , <u>86</u> :6230-6234 (1989)
ST	AV	Sanger <i>et al.</i> , "A Rapid Method for Determining Sequences in DNA by Primed Synthesis with DNA Polymerase", <u>J. Mol. Biol.</u> , <u>94</u> :441-448 (1975)

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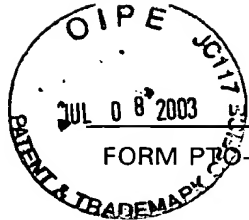
J.7	AW	Schmidt <i>et al.</i> , "Phylogenetic Identification of Uncultured Pathogens Using Ribosomal RNA Sequences", <u>Methods Enzymol.</u> , <u>235</u> :205-222 (1994)
	AX	Seliger <i>et al.</i> , "Oligonucleotide Analogues with Dialkyl Silyl Internucleoside Linkages", <u>Nucleosides Nucleotides</u> , <u>6(1&amp;2)</u> :483-484 (1987)
	AY	Smith, A., "DNA Sequence Analysis by Primed Synthesis", <u>Methods Enzymol.</u> , <u>65</u> :560-580 (1980)
	AZ	Southern <i>et al.</i> , "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation Using Experimental Models", <u>Genomics</u> , <u>13</u> :1008-1017 (1992)
	BA	Sproat <i>et al.</i> , "The synthesis of protected 5'-mercapto-2',5'-dideoxyribonucleoside-3'-O-phosphoramidites; uses of 5'-mercapto-oligodeoxyribonucleotides", <u>Nucl. Acids Res.</u> , <u>15</u> :4837-4848 (1987)
	BB	Szczylik <i>et al.</i> , "Selective Inhibition of Leukemia Cell Proliferation by BCR-ABL Antisense Oligodeoxynucleotides", <u>Science</u> , <u>253</u> :562-565 (1991)
	BC	Szbalski, W. "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter oligodeoxynucleotide and enzyme moieties", <u>Gene</u> , <u>40</u> :169-173 (1985)
	BD	Tomasz <i>et al.</i> , "On the Stability of Phosphodiester-Amide Internucleotide Bond", <u>Tetrahedron Lett.</u> , <u>22(39)</u> :3905-3908 (1981)
	BE	Townsend <i>et al.</i> , (Eds.), <u>Nucleic Acid Chemistry: Improved and New Synthetic Procedures, Methods and Techniques</u> , John Wiley and Sons, New York, NY, p. 337 (1986)
	BF	Van Ness <i>et al.</i> , "A versatile solid support system for oligodeoxynucleotide probe-based hybridization assays", <u>Nucl. Acids Res.</u> , <u>19(12)</u> :3345-3350 (1991)
	BG	Watson <i>et al.</i> , "Chapter 27: DNA-Based Diagnosis of Genetic Diseases", <u>Recombinant DNA</u> , Second Edition, Scientific American, Inc. (1992)
J.7	BH	Wu <i>et al.</i> , "Matrix-assisted Laser Desorption Time-of-flight Mass Spectrometry of Oligonucleotides Using 3-Hydroxypicolinic Acid as an Ultraviolet-sensitive Matrix", <u>Rapid Comm. Mass Spectrometry</u> , <u>7</u> :142-146 (1993)

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J.T	BI	Yamamoto <i>et al.</i> , "One-step Synthesis of 5'-Azido-nucleosides", <u>J. Chem. Soc., Perkin trans.</u> , <u>11</u> :306-310 (1980)
I	BJ	Youngquist <i>et al.</i> , "Matrix-assisted Laser Desorption Ionization for Rapid Determination of the Sequences of Biologically Active Peptides Isolated from Support-bound Combinatorial Peptide Libraries", <u>Rapid Comm. Mass Spectrometry</u> , <u>8</u> :77-81 (1994)
J.T	BK	Zhang <i>et al.</i> , "Single-base mutational analysis of cancer and genetic diseases using membrane bound modified oligonucleotides", <u>Nucl. Acids Res.</u> , <u>19(14)</u> :3929-3933 (1991)

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